

App. No.: 10/731,820
Inventor: Guillermo Guzman et al.
Title: Water Filter

Filed: 12/09/2003
Examiner: Kim, Yoon Young
Group Art Unit: 1723

Amendment(s) to the Claims

The following listing of claims replaces all prior versions and listings of claims in the present application.

Listing of Claims:

Claim 1 (currently amended) A water filter, comprising:

a body portion having an opening;

a water filter assembly cartridge adapted to reside in said body portion;

a face portion, said face portion and body portion enclosing said water filter assembly cartridge;

wherein said water filter assembly cartridge is ~~comprised of a recess for~~
~~accepting~~ attached to a pivotable element, said pivotable element operatively connected to a threaded inlet, for accepting water, and wherein said threaded inlet is adapted to be attached to a water pipe so that said water filter cartridge is connected to the water pipe by said pivotable element and threaded inlet;

wherein said threaded inlet is positioned outside said body portion when said water filter assembly cartridge resides in said body portion.

Claim 2 (original) A water filter according to claim 1, wherein said face portion is comprised of a plurality of exit openings for passing water out of said water filter.

Claim 3 (original) A water filter according to claim 1, wherein said body portion and face portion are adapted with matching threads allowing said body portion and said face portion to be releasably coupled together to form a showerhead.

Claim 4 (currently amended) A water filter according to claim 1, wherein said water filter assembly cartridge is adapted with at least one opening ~~in said recess~~ for

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accepting water into said water filter ~~assembly~~ cartridge and wherein said pivotable element is comprised of at least one opening for allowing water to exit into said at least one opening in said ~~recess~~ water filter cartridge.

Claim 5 (currently amended) A water filter according to claim 4, wherein said water filter cartridge is further comprising comprised of a recess for accepting said pivotable element and wherein said recess is adapted with a an sealing ring in said recess for preventing water leakage.

Claim 6 (currently amended) A water filter according to claim 1, wherein said water filter cartridge is comprised of a recess for accepting said pivotable element, wherein said recess is ~~further~~ comprised of an annular opening formed in part by a plurality of flexible side portions.

Claim 7 (original) A water filter according to claim 6, wherein said flexible side portions releasably retain said pivotable element.

Claim 8 (currently amended) A water filter according to claim 1, wherein said water filter ~~assembly~~ cartridge is further comprised of an exit end having at least one opening for allowing water to exit said water filter ~~assembly~~ cartridge.

Claim 9 (original) A water filter according to claim 8, wherein said body portion and said face portion are adapted with matching threads allowing said body portion and said face portion to be releasably coupled together to form a showerhead and wherein said face portion is comprised of a plurality of exit openings for passing water out of said showerhead.

Claim 10 (currently amended) A water filter according to claim 9, wherein said exit end of said water filter ~~assembly~~ cartridge is releasably connected to said face portion

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and wherein said water exiting said exit end of said water filter flows out of said plurality of exit openings in said face portion.

Claim 11 (currently amended) A water filter according to claim 1, wherein said water filter ~~assembly~~ cartridge is disposable.

Claim 12 (currently amended) A water filter ~~assembly~~ according to claim 11, wherein said water filter ~~assembly~~ cartridge is disposable after removing said water filter ~~assembly~~ cartridge from said body portion and after removing said pivotable element from said ~~recess~~ water filter cartridge.

Claim 13 (original) A water filter according to claim 1, wherein said pivotable element is a ball joint.

Claim 14 (currently amended) A showerhead water filter, comprising:

a body portion having an opening;

a face portion releasably coupled to said body portion, wherein said face portion is comprised of a plurality of exit openings for passing water out of said water filter, and wherein said body portion and said face portion are coupled to form a showerhead;

a water filter ~~assembly~~ cartridge adapted to reside in said body portion, wherein said water filter ~~assembly~~ cartridge is ~~comprised of a recess for accepting~~ attached to a pivotable element, said pivotable element operatively connected to a threaded inlet, wherein said threaded inlet has an inlet passage for accepting water, and wherein said threaded inlet is adapted to be attached to a water pipe so that said water filter cartridge is connected to the water pipe by said pivotable element and threaded inlet.

Claim 15 (currently amended) A showerhead water filter according to claim 14, further comprising a recess, wherein said recess is formed from a plurality of flexible

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flanges arranged in an annular formation, wherein said flanges releasably retain said pivotable element.

Claim 16 (currently amended) A showerhead water filter according to claim 14, wherein said threaded inlet is positioned outside said body portion when said water filter assembly cartridge resides in said body portion.

Claim 17 (currently amended) A showerhead water filter according to claim 14, wherein said water filter assembly cartridge is held completely within said body portion.

Claim 18 (original) A showerhead water filter according to claim 14 wherein said body portion comprises about 80 percent of the axial length of said showerhead and wherein said face portion comprises approximately 20 percent of the axial length of said showerhead.

Claim 19 (currently amended) A showerhead filter according to claim 14 wherein said water filter assembly cartridge is comprised of a plurality of larger openings and smaller openings for allowing water passage through said water filter assembly cartridge.

Claim 20 (currently amended) A showerhead filter according to claim 29 19, wherein said smaller openings are located below said pivotable element for allowing water to flow into a center portion of said water filter assembly cartridge.

Claim 21 (currently amended) A water filter, comprising:

a body portion having an opening;

a water filter assembly cartridge adapted to reside in said body portion, ~~wherein said water filter assembly is comprised of a recess for accepting a pivotable element,~~

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~~said pivotable element operatively connected to a threaded inlet, wherein said threaded inlet has an inlet passage for accepting water;~~

a pivotable element attached to said water filter cartridge, and wherein a portion of said pivotable element is adapted to protrude through said opening in said body portion to attach to a water outlet pipe or tube, wherein said pivotable element is hollow allowing water to flow through said pivotable element to said water filter cartridge;

a face portion having a plurality of exit openings for allowing water to exit said water filter.

Claim 22 (original) A water filter according to claim 21, wherein said face portion is releasably coupled to said body portion, wherein said face portion is comprised of a plurality of exit openings for passing water out of said water filter, and wherein said body portion and said face portion are coupled to form a showerhead.

Claim 23 (currently amended) A water filter according to claim 21, wherein said pivotable element is releasably coupled to said a recess portion on said water filter cartridge and wherein said pivotable element is further comprised of a threaded inlet portion and wherein said threaded inlet portion lies outside said body portion and is operatively attached to a the water outlet pipe or tube.